

What is claimed is:

1. A flow control valve for controlling a flow amount of fluid, the flow control valve comprising:

5 a valve member having a rotary shaft having a saw-toothed
portion formed on the outer surface thereof and rotating in right
and left directions by a movable shaft, a valve body having a
space for inserting and fixing the rotary shaft therein, a cover
fixed on the upper portion of the valve body for preventing
10 separation of the rotary shaft, a solenoid valve for injecting
the air into the space of the valve body or recovering the air
from the space of the valve body, and a discharge valve for
discharging the injected air of the valve body;

a control member through which a pipe passes, the control member having a control means for controlling the flow amount inside the pipe according to the right and left rotation of a throttle, a connection shaft disposed on the upper portion of the throttle and coupled with the rotary shaft, and a coupling plate fixed on the lower surface of the valve body;

20 a piston member having a saw-toothed portion coupled with the saw-toothed portion of the rotary shaft, the piston member having a piston moved in right and left directions by the injected air of the solenoid valve for rotating the rotary shaft,

and piston chambers fixed on both sides of the valve body for allowing insertion and movement of the piston; and

5 a manual member inserted and fixed into a hole formed in a side of the valve body, the manual member having a rotary gear disposed therein, a rotating means coupled with the rotary shaft according to a rotation angle, a fixed means fixed in front of the rotating means for rotating and fixing the rotating means, and a rotary handle mounted at an end of the rotary gear of the rotating means for providing the rotating means with rotary power.